

## ABSTRACT OF THE DISCLOSURE

The present invention relates to an orthogonal spread code of a CDMA mobile communication system, and more particularly, to a method for generating an LS code  
5 via magnification of the initial matrix based upon certain rules. The method of the invention generates the magnified first and second square matrices using the 2X2 initial matrix, arranges the first and second square matrices adequately to obtain the third square matrix, and then takes rows or columns from the third square matrix to generate a code sequence, thereby increasing the element number of orthogonal code and the  
10 length of an IFW as the same time.